LOUDER!!

Station materials:

- Large rubber bands
- Medium rubber bands
- Small rubber bands

Station set-up:

- Make piles of rubber bands with a variety of colors, sizes and thickness

Guiding the learning:

- Explain to the students that there are two properties of sound that we are experimenting with, pitch and volume
- Pitch is how “high” or “low” the sound
- Volume is how “loud” or “soft” the sound
- Ask the students to look at their rubber bands, what variables (qualities) of the rubber bands might affect pitch or volume when the rubber band is stretched? (size and thickness will, color will not)
- Ask the students if there are other variables that might affect the pitch or volume (how far it is stretched, how far it is “plucked”)
- Instruct the students to work with a partner (or a parent) to stretch a variety of rubber bands to investigate the effects of these variables on the pitch and volume of sound

Science Talking Points:

- Sound is a form of energy that travels in waves caused by vibrations.
- The shorter the wave, the greater the number of vibrations (frequency) and the higher the pitch.
- The longer the wave, the fewer the number of vibrations (frequency) and the lower the pitch.